Please enter
/Terra C. Gibbs/

IN THE CLAIMS

1. (currently amended) A method for relieving acute or chronic pain comprising:

administering intrathecally to a human in need thereof an effective amount of an antisense oligonucleotide which is complementary to mRNA encoding human post-synaptic density 95 protein (PSD95), which comprises SEQ ID NO:1, and which inhibits expression of human PSD95, whereby acute or chronic pain experienced by the human is relieved.

2-6. (canceled)

7. (currently amended) A method for treating or preventing hyperalgesia comprising:

administering intrathecally to a human in need thereof an effective amount of an antisense oligonucleotide which is complementary to mRNA encoding human PSD95, which comprises SEQ ID NO:1, and which inhibits expression of human PSD95, whereby hyperalgesia experienced by the human is relieved.

8-12. (canceled)

13. (currently amended) A method of reducing a threshold for anesthesia comprising:

administering intrathecally to a human an anesthetic and an antisense oligonucleotide which is complementary to mRNA encoding human PSD95, which comprises SEQ ID NO:1, and which inhibits expression of human PSD95, wherein the amount of anesthetic administered is less than the amount required in the absence of the antisense oligonucleotide to achieve a desired anesthetic effect, whereby the desired anesthetic effect is achieved.

14-18. (canceled)

19. (currently amended) A pharmaceutical formulation comprising an isolated and purified antisense oligonucleotide which is complementary to mRNA encoding human PSD95 and which inhibits expression of human PSD95 and which comprises SEQ ID NO:1.

20-23. (canceled)

24. (original) The pharmaceutical formulation of claim 19 wherein the polynucleotide is manufactured under regulatory-approved conditions for administration to humans.

25. (original) The pharmaceutical formulation of claim 19 wherein the polynucleotide is pyrogen-free.

26-33. (canceled)

34. (previously presented) The method of claim 13 wherein the anesthetic is selected from the group consisting of halothane, isoflurane, desflurane, xenon, and sevoflurane.

35-61. (canceled)

62. (original) The method of claim 13 wherein the anesthetic is an inhalational anesthetic.

63. (canceled)

64. (original) The method of claim 13 wherein the anesthetic is selected from the group consisting of urethane, chloral hydrate, and sodium pentobarbitone.

65-68. (canceled)